



## Job Advertisement 22/Wi07

At the University of Greifswald's DFG-funded Research Training Group RTG 2010 – "Biological responses to novel and changing environments – RESPONSE", sub-project 4, there is a job vacancy expected to be available from **1 July 2022**, subject to the allocation of funds, for a part-time (65 %)

### Doctoral researcher

The employment is limited until **31 March 2024**. We will try to secure a follow-up financing. Payment will be made according to pay group 13 *TV-L Wissenschaft*.

The ability to respond to novel and changing environmental conditions, either by phenotypic plasticity, genetic adaptation, or range shifts, is pivotal to the longer-term survival of all organisms. Owing to increasing concerns about the consequences of human-induced global change, such responses have attracted increasing interest in recent years. RESPONSE focuses on the plastic and genetic capacities for in situ responses (cluster A) and on the factors limiting or facilitating dispersal to new habitats (cluster B). The RTG aims at deepening our understanding of the limits to population persistence, enabling more accurate predictions regarding the fate of populations under changing conditions. Our research programme spans different levels of biological organisation, ranging from molecular and physiological mechanisms to ecological population-level responses, and a wide variety of organisms including lichens, myxomycetes, plants (trees), and animals (snails, crustaceans, insects, spiders, bats).

The proposed project adds to the overall aims of RESPONSE by investigating the factors underlying the dispersal and colonization pattern of the butterfly *Pieris mannii* – a species showing a rapid range expansion across Central Europe.

### Work tasks:

In the proposed project B4, the dispersal and colonization patterns of the Southern Small White (*Pieris mannii*) will be investigated. This butterfly species is currently undergoing a rapid northward expansion and is therefore ideally suited for RESPONSE's research program. The candidate will not only focus on the genetic and morphological analysis of the expanding populations, but also investigate their physiological potential in comparison to their original ranges.

A teaching programme accompanies the interdisciplinary research strategy. It covers different scientific topics and techniques relevant to the RTG as well as soft skills relevant to career development, and includes summer schools, journal clubs, practical courses, lectures, as well as individualised education and mentoring programmes. Each doctoral project involves research stays at different laboratories, partly abroad. The participation in the teaching programme is mandatory.

Tasks will be transferred that are conducive to the preparation of a doctorate.

### Requirements:

We invite applications from highly motivated candidates with above-average qualifications, a passion for and experience in research, and the willingness to make active contributions to the RTG.

Successful applicants must

- 1) hold a M.Sc. degree (or equivalent) in Biology or another relevant discipline,
- 2) have a solid background in ecology and evolutionary biology,
- 3) experience with methods and/or organisms relevant to the RTG,
- 4) have an excellent command of English, which is the official language of the RTG, and
- 5) be motivated to join an interdisciplinary research training environment.

The position is open to all persons, irrespective of gender.

The University would like to increase the proportion of women in areas in which they are underrepresented and thus applications from women are particularly welcome and will be treated with priority if they have the same qualifications and as long as there are no clear reasons which make a fellow applicant more suitable.

Severely disabled applicants with the same qualifications will be considered with preference.

According to § 68(3) PersVG M-V, the Staff Council will only be involved in staff matters of the academic or artistic staff on request.

Please only submit copies of your application documents as they cannot be returned. Unfortunately, application costs (e.g. travel expenses for interviews) will not be reimbursed by the State of Mecklenburg-Vorpommern.

Please note that by submitting your application, you provide your consent pursuant to data protection law for our processing of your application data. Further information about the legal bases and the use of your data can be found here.

Applications comprising all usual documents (curriculum vitae, copies of academic certificates) must be sent, preferably via email (one file in PDF-format), with reference to the job advertisement number **22/Wi07** by **07 June 2022** to:

**Universität Greifswald  
Zoologisches Institut und Museum  
Koordination des Graduiertenkollegs 2010 RESPONSE  
Dr. Susann Räth  
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